

Applicant : Robert J. Etches et al.
Appl. No. : 10/508,808
Examiner : Michael C. Wilson
Docket No. : 700603.7/1

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

Claims 1 – 9 (Cancelled)

10. (Currently Amended) A chimeric chicken whose genome is comprised of a transgene stably integrated into the genome of the chicken wherein the transgene is comprised of human variable, and joining regions and wherein a population of B lymphocytes produced by the chicken are comprised of rearranged an assembly of human immunoglobulin genes that undergo functional immunoglobulin gene conversion to that encode a at least a portion of human immunoglobulin heavy or light chain immunoglobulin molecule and whose genome is further comprised of a disrupted endogenous immunoglobulin gene.

11. (Previously Amended) A chimeric chicken of claim 10, wherein the transgene is comprised of human immunoglobulin heavy chain genes comprising at least one human heavy chain V gene, at least one human heavy chain D genes, and at least one human heavy chain J gene.

12. (Previously Presented) A chimeric chicken of claim 11 wherein the transgene comprises a plurality of human heavy chain V genes.

13. (Previously Presented) A chimeric chicken of claim 11 wherein the transgene comprises a plurality of human heavy chain D genes.

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14. (Previously Presented) A chimeric chicken of claim 11 wherein the transgene comprises a plurality of human heavy chain V genes.

15. Cancelled

16. Cancelled

17. (Previously Presented) A chimeric chicken of claim 10 wherein the human heavy or light chain immunoglobulin molecule is deposited in the yolk of an egg produced by the transgenic chicken.

Claims 18 – 20 (Cancelled)